

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP 03/10807

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B22D11/11 C21C5/00 C21C7/00 B22D11/10

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B22D C21C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

WPI Data, EPO-Internal, PAJ, COMPENDEX

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 197 28 368 C (HELLER GEORG) 4 March 1999 (1999-03-04)  abstract column 3, line 53 -column 4, line 16; claims 6,7	1-6, 10-13, 24,25
A		7-9, 14-23
X	K. SCHWERTFEGGER: "Metallurgie des Stranggiessens", VERLAG STAHLSEISEN, DÜSSELDORF XP002264211 ISBN: 3-514-00350-5 page 236, paragraph 1; table 3.2.1  -/-	1-3,6-8, 10-12, 24,25

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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Date of the actual completion of the international search

10 December 2003

Date of mailing of the international search report

05/01/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 013, no. 565 (M-907), 14 December 1989 (1989-12-14) -& JP 01 237049 A (SHIN NIPPON KAGAKU KOGYO CO LTD; OTHERS: 01), 21 September 1989 (1989-09-21) abstract	1-4, 10, 12, 13, 24, 25
X	DE 37 42 415 C (FRANK & SCHULTE GMBH) 1 December 1988 (1988-12-01)  abstract column 2, line 62 -column 3, line 39	1-4, 10-13, 24, 25
A		5-9, 14-23
X	DE 37 27 619 C (HAGENBURGER CHAMOTTE TON) 24 November 1988 (1988-11-24) abstract; claims 1-3	1-7, 24, 25
A	DE 101 24 926 A (NOACK HANS-PETER) 28 November 2002 (2002-11-28)	
A	DE 38 23 410 C (H. KRAMER GMBH & CO KG) 24 May 1989 (1989-05-24)	
A	DE 42 30 161 A (VEITSCH RADEX AG) 10 March 1994 (1994-03-10)	
A	PATENT ABSTRACTS OF JAPAN vol. 006, no. 131 (C-114), 17 July 1982 (1982-07-17) -& JP 57 057824 A (SAKAI KAGAKU KOGYO KK), 7 April 1982 (1982-04-07) abstract	
A	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 14, 31 December 1998 (1998-12-31) -& JP 10 258343 A (NIPPON STEEL METAL PROD CO LTD), 29 September 1998 (1998-09-29) abstract	